

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2005-_____
FOR
STEPHEN J. SCHUSTER
AND
SIERRA MOON HOMEOWNERS' ASSOCIATION
WASTEWATER TREATMENT FACILITY
BUTTE COUNTY

The Discharger shall not implement any changes to this Program unless and until the Regional Board or Executive Officer issues a revised Monitoring and Reporting Program.

EFFLUENT MONITORING

Effluent samples shall be collected from the effluent pumping basin of the wastewater plant. The date and time of collection shall be recorded. Effluent monitoring shall include at least the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow	mgd	Meter	Monthly
BOD ₅	mg/L	Grab	Monthly
TSS	mg/L	Grab	Monthly
Total Nitrogen (as Nitrogen)	mg/L	Grab	Monthly
Total Coliform Bacteria	MPN/100 mL	Grab	Monthly
Turbidity	NTU	Grab	Monthly

DISPOSAL AREA MONITORING

Effluent disposal areas shall be monitored twice per month for signs of surfacing effluent or excessive weed growth.

SEPTIC TANK MONITORING

Septic tank maintenance inspections (including tank sludge level measurement) shall be performed at least once every 3 years (see Waste Discharge Requirements E. Septic Tanks for more specific instructions). Information concerning inspections and maintenance activities (including, but not limited to, pumping, replacement, and repairs) shall be included in the monitoring reports submitted to the Regional Board.

GROUNDWATER MONITORING

Prior to construction of any groundwater monitoring wells, the Discharger shall submit plans and specifications to the Executive Officer for review and approval. Once installed, new wells shall be included in the Monitoring and Reporting Program and shall be sampled and analyzed according to the schedule below.

Prior to sampling, groundwater elevations shall be measured and the wells shall be purged at least three well volumes until pH and electrical conductivity have stabilized. Depth to groundwater shall be measured to the nearest 0.01 foot. Water table elevations shall be calculated and used to determine groundwater gradient and direction of flow.

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling and Reporting Frequency</u>
Groundwater elevation	0.01 Foot	Measurement	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly
Nitrate as Nitrogen	mg/L	Grab	Quarterly
Total and Fecal Coliform Organisms	MPN/100 mL	Grab	Quarterly
Groundwater flow direction	Degrees	Bearing	Quarterly

SLUDGE MONITORING

The Discharger shall keep records regarding the quantity of sludge generated by the treatment processes; any sampling and analytical data; the quantity of sludge stored on site; and the quantity removed for disposal. The records shall also indicate that steps taken to reduce odor and other nuisance conditions. Records shall be stored onsite and available for reviewing during inspections.

All records shall be submitted as part of the Annual Monitoring Report.

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type, and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Regional Board.

A. Monthly Monitoring Reports

Monthly Monitoring Reports (Monthly Reports) shall be submitted to the Regional Board by the **1st day** of the second month following sample collection (e.g., the January Report is due by **1 March**). Monthly Reports shall include the following:

1. A comparison of monitoring data to the discharge specifications and an explanation of any violation of those requirements. Data shall be presented in tabular format.
2. If requested by staff, copies of laboratory analytical report(s).

B. Quarterly Groundwater Monitoring Reports

Quarterly Groundwater Monitoring Reports (Quarterly Reports) are due by **1 May, 1 August, 1 November, and 1 February**, for the first through fourth calendar quarters, respectively. Quarterly Reports shall be submitted with the appropriate Monthly Report. Quarterly Reports shall include the following:

1. Results of groundwater monitoring, per the Groundwater Monitoring section.
2. A narrative description of procedures to assure that wells were purged properly prior to obtaining samples.
3. Calculations for groundwater elevations and groundwater flow direction and gradient.
4. Summary table depicting historical and current water table elevations and analytical results.

C. Annual Monitoring Report

Annual Monitoring Reports (Annual Reports) may be requested in writing by Regional Board staff. When requested, Annual Reports shall be due by **1 February**.

The Discharger shall implement the above monitoring program as of the date of this Order.

Ordered by: _____
THOMAS R. PINKOS, Executive Officer

(Date)

RB: sae
18 January 2005